

AMENDMENTS

In the Claims

Please amend claims 1 and 8. A clean version is given below and a marked-up version showing the changes is attached.

1. (Four Times Amended) A method of manufacturing a sensor device comprising a circuit having organic thin films formed on surfaces of microelectrodes, and a transducing element capable of transducing change in electric impedance in connection with absorbing aromatic molecules inside the organic thin films into electric signals, the method comprising:
- printing a solution of thin film material through an ink jet nozzle onto the surfaces of the microelectrodes such that organic thin films are formed on the microelectrodes,
- wherein the solution comprises an electro-conductive polymer and a solvent,
- wherein the ink jet nozzle has a piezo-electric element, the ink jet nozzle is a multi-line head nozzle, and the solution has a viscosity of about 3 centipoise or less,
- wherein the step of printing the solution of thin film material comprises the steps of:
- (a) deforming the piezo-element by delivering an electric signal to the piezo-element; and
- (b) ejecting the solution via the ink jet nozzle to rest on the microelectrodes.

8. (Twice Amended) The method of claim 7 wherein the circuit comprises polysilicon thin film transistors.